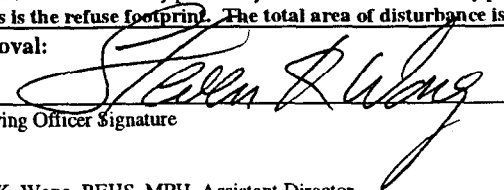


|   |       |  |   |  |            |                |
|---|-------|--|---|--|------------|----------------|
| SOLID WASTE FACILITY PERMIT   |       |  | 1. Facility /Permit Number:<br>30-AB-0360   |  |            |                |
| 2. Name and Street Address of Facility:<br>Frank R. Bowerman Landfill<br>11002 Bee Canyon Access Road<br>Irvine, CA 92718   |       | 3. Name and Mailing address of Operator:<br>County of Orange<br>Environmental Management Agency/<br>Integrated Waste Management Department<br>P.O. Box 4048<br>Santa Ana, CA 92702 |   | 4. Name and Mailing Address of Owner<br>County of Orange<br>Environmental Management Agency/<br>Integrated Waste Management Department<br>P.O. Box 4048<br>Santa Ana, CA 92702 |            |                |
| 5. Specifications:  |       |  |   |  |            |                |
| a. Permitted Operations   |       |  |   |  |            |                |
| <div style="display: flex; justify-content: space-between;"><div><input type="checkbox"/> Composting Facility (mixed wastes)<br/><input type="checkbox"/> Composting Facility (yard waste)<br/><input checked="" type="checkbox"/> Landfill Disposal Site<br/><input type="checkbox"/> Material Recovery Facility</div><div><input type="checkbox"/> Processing Facility<br/><input type="checkbox"/> Transfer Station<br/><input type="checkbox"/> Transformation Facility<br/><input type="checkbox"/> Other: _____</div></div> |       |  |   |  |            |                |
| b. Permitted Hours of Operation:<br>7:00 a.m. to 5:00 p.m. Monday through Saturday, commercial disposal only - public disposal is prohibited.<br>(Maintenance and special projects - 24 hrs. Monday through Sunday)   |       |  |   |  |            |                |
| c. Permitted Tons per Operating Day:  |       |  |   |  |            |                |
| <div style="display: flex; justify-content: space-between;"><div>(See Condition No. 22 for allowable maximum annual average daily tonnages)</div><div>8500</div><div>Total: Tons/Day</div></div>  |       |  |   |  |            |                |
| Non-Hazardous - General   |       |  |   |  |            |                |
| <div style="display: flex; justify-content: space-between;"><div></div><div>8500</div><div>Tons/Day</div></div>   |       |  |   |  |            |                |
| Non-Hazardous - Sludge  |       |  |   |  |            |                |
| <div style="display: flex; justify-content: space-between;"><div></div><div>0</div><div>Tons/Day</div></div>  |       |  |   |  |            |                |
| Non-Hazardous - Separated or comingled recyclables  |       |  |   |  |            |                |
| <div style="display: flex; justify-content: space-between;"><div></div><div>0</div><div>Tons/Day</div></div>  |       |  |   |  |            |                |
| Non-Hazardous - Other (See Section 14 of Permit)  |       |  |   |  |            |                |
| <div style="display: flex; justify-content: space-between;"><div></div><div>0</div><div>Tons/Day</div></div>  |       |  |   |  |            |                |
| Designated (See Section 14 of Permit)   |       |  |   |  |            |                |
| <div style="display: flex; justify-content: space-between;"><div></div><div>0</div><div>Tons/Day</div></div>  |       |  |   |  |            |                |
| Hazardous (See Section 14 of Permit)  |       |  |   |  |            |                |
| <div style="display: flex; justify-content: space-between;"><div></div><div>0</div><div>Tons/Day</div></div>  |       |  |   |  |            |                |
| d. Permitted Traffic Volume:  |       |  |   |  |            |                |
| <div style="display: flex; justify-content: space-between;"><div></div><div>2220</div><div>Total: Vehicles/Day (one-way)</div></div>  |       |  |   |  |            |                |
| Incoming waste materials  |       |  |   |  |            |                |
| <div style="display: flex; justify-content: space-between;"><div></div><div>2220</div><div>Vehicles/Day (one-way)</div></div>   |       |  |   |  |            |                |
| Outgoing waste materials (for disposal)   |       |  |   |  |            |                |
| <div style="display: flex; justify-content: space-between;"><div></div><div>0</div><div>Vehicles/Day</div></div>  |       |  |   |  |            |                |
| Outgoing materials from material recovery operations  |       |  |   |  |            |                |
| <div style="display: flex; justify-content: space-between;"><div></div><div>0</div><div>Vehicles/Day</div></div>  |       |  |   |  |            |                |
| e. Key Design Parameters (Detailed parameters are shown on site plans bearing LEA and CIWMB validations):   |       |  |   |  |            |                |
|   | Total | Disposal   | Transfer  | MRF  | Composting | Transformation |
| Permitted Area (in acres)   | 725 a | 326* a   | N/A a   | N/A a  | N/A a      | N/A a          |
| Design Capacity (air space)   |       | 117 million cy   | N/A tpd   | N/A tpd  | N/A tpd    | N/A tpd        |
| Max. Elevation (Ft. MSL)  |       | 1100 ft  |   |  |            |                |
| Max Depth (Ft. BGS)   |       | 600 ft   |   |  |            |                |
| Estimated Closure Date  |       | 2024   |   |  |            |                |
| The permit is granted solely to the operator named above, and is not transferable. Upon a change of operator, this permit is no longer valid. Further, upon a significant change in design or operation from that described herein, this permit is subject to revocation or suspension. The attached permit findings and conditions are integral parts of this permit and supersede the conditions of any previously issued solid waste facility permits.   |       |  |   |  |            |                |
| *326 acres is the refuse footprint. The total area of disturbance is 379 acres. The total refuse capacity is 86 million cubic yards.  |       |  |   |  |            |                |
| 6. Approval:  |       |  | 7. Enforcement Agency Name and Address:   |  |            |                |
| <div style="text-align: center;"><br/>_____<br/>Approving Officer Signature</div> <div>Steven K. Wong, REHS, MPH, Assistant Director<br/>Environmental Health<br/>Name/Title</div>   |       |  | County of Orange/Health Care Agency<br>Environmental Health Division<br>Solid Waste Local Enforcement Agency<br>2009 E. Edinger Avenue<br>Santa Ana, CA 92705 |  |            |                |
| 8. Received by CIWMB:   |       |  | 9. CIWMB Concurrence Date:  |  |            |                |
| September 23, 1996  |       |  | October 28, 1996  |  |            |                |
| 10. Permit Review Due Date:   |       |  | 11. Permit Issued Date:   |  |            |                |
| November 4, 2001  |       |  | November 4, 1996  |  |            |                |

# SOLID WASTE FACILITY PERMIT

Facility/Permit Number:

30-AB-0360

## 12. Legal Description of Facility (attach map with RFI):

Located in blocks 117, 118, 119, 143 and 144 of Irvine's Subdivision, County of Orange

## 13. Findings:

- This permit is consistent with the County-wide Integrated Waste Management Plan (CIWMP). Public Resources Code, Section 50001.
- This permit is consistent with standards adopted by the California Integrated Waste Management Board (CIWMB). Public Resources Code, Section 44010.
- The design and operation of the facility is in compliance with the State Minimum Standards for Solid Waste Handling and Disposal as determined by the LEA.
- The Orange County Fire Authority has determined that the facility is in conformance with applicable fire standards as required in Public Resources Code, Section 44151.
- A Negative Declaration (IP 95-38) is filed with the Orange County Clerk for all facilities which are not exempt from CEQA and documents pursuant to Public Resources Code, Section 21081.6. (See Section 15 below.)
- The County of Orange/EMA has made a determination that the facility is consistent with, and designated in, the Orange County General Plan pursuant to Public Resources Code, Section 50000.5(a).
- The County of Orange/EMA has made a written finding that surrounding land use is compatible with the facility operation, as required in Public Resources Code, Section 50000.5(b).

## 14. Prohibitions:

The permittee is prohibited from accepting any liquid waste, sludge, non-hazardous waste requiring special handling, designated waste, or hazardous waste unless such waste is specifically listed below, and unless the acceptance of such waste is authorized by all applicable permits.

Only non-hazardous solid and inert wastes, as defined in CCR, Title 23, Division 3, Chapter 15, Sections 2523 and 2524, are allowed for disposal. No other wastes can be accepted at this facility.

## 15. The following documents also describe and/or restrict the operation of this facility (insert document date in space):

|  | Date  |  | Date |
|--|---|--|------|
| <input checked="" type="checkbox"/> Report of Facility Information               | 5/95  | <input type="checkbox"/> Contract Agreements - operator and contract | N/A  |
| <input checked="" type="checkbox"/> Land Use Permits and Conditional Use Permits | 6/88  | <input checked="" type="checkbox"/> Waste Discharge Requirements     | 9/93 |
| <input checked="" type="checkbox"/> Air Pollution Permits and Variances          | 6/90; 12/91; 2/92; 10/93                                | <input type="checkbox"/> Local & County Ordinances                   | N/A  |
| <input checked="" type="checkbox"/> EIR or Negative Declaration                  | EIR 18 9/79<br>IP87-26 6/88<br>Neg. Dec. IP 95-38 10/95 | <input type="checkbox"/> Final Closure & Post Closure Maint. Plant   | N/A  |
| <input type="checkbox"/> Lease Agreements - owner and operator                   | N/A   | <input type="checkbox"/> Amendment to RFI                            | N/A  |
| <input checked="" type="checkbox"/> Preliminary Closure/Post Closure Plan        | 5/95  | <input checked="" type="checkbox"/> Other (list):                    |      |
| <input checked="" type="checkbox"/> Closure Financial Responsibility Document    | 6/95  | Settlement Agreement between County and City of Irvine               | 8/84 |
|  |   | NPDES Permit 91-3  | 2/91 |

|  |  |                           |
|--|--|---------------------------|
| <b>SOLID WASTE FACILITY PERMIT</b>   | Facility/Permit Number:<br>30-AB-0360      |                           |
| <b>16. Self Monitoring:</b>  |  |                           |
| a. Results of all self-monitoring programs as described in the Report of Facility Information, will be reported as follows:  |  |                           |
| <b>Program</b>   | <b>Reporting Frequency</b>                 | <b>Agency Reported To</b> |
| A Monitoring Report containing the following information is to be prepared and submitted:  |  |                           |
| 1. The areas of the site that were utilized for disposal.  | Quarterly                                  | LEA                       |
| 2. The quantities and types of wastes received (in tons) on a daily basis, and the salvaged material (in tons) on a periodic basis. The average daily tonnage for the reporting period shall also be included herein.  | Quarterly                                  | LEA                       |
| 3. Monthly calculations and reports of the number of vehicles utilizing the facility per day of operation.   | Quarterly                                  | LEA                       |
| 4. Logs and reports of all written complaints regarding the facility and the operator's actions taken in response to the complaint. Notify the LEA within one day of receiving the complaints.   | Quarterly                                  | LEA                       |
| 5. Logs and reports of all employee and customer injuries.   | Quarterly                                  | LEA                       |
| 6. Logs and reports of all unscheduled shutdowns. Notify the LEA within one day of unscheduled shutdowns.  | Quarterly                                  | LEA                       |
| 7. Logs of special or unusual occurrences, i.e., accidents, injury, fires, explosions, hazardous waste incidents, public nuisance incidents, etc. and the operator's response to correct the problem.  | Quarterly                                  | LEA                       |
| 8. The results of the hazardous waste screening.   | Quarterly                                  | LEA                       |
| 9. A summary of the monitoring data submitted to the Regional Water Quality Control Board.   | Semi-Annually<br>(February 1 and August 1) | LEA                       |
| 10. A summary of the monitoring results performed at the site to meet requirements of Section 17258.23 (Explosive Gases Control).  | Quarterly                                  | LEA                       |
| 11. An employee training log with dates of training, course descriptions, etc., which shall be maintained and kept current.  | Upon request of LEA                        |                           |
| The monitoring report shall be submitted in accordance with the following schedule.  |  |                           |
| <u>Reporting Period</u>  | <u>Report Due</u>                          |                           |
| January thru March   | May 1                                      |                           |
| April thru June  | August 1                                   |                           |
| July thru September  | November 1                                 |                           |
| October thru December  | February 1                                 |                           |
| By February 1st of each year, a monitoring report must be submitted to the Enforcement Agency indicating the annual average daily tonnage and the number of cubic yards of solid waste disposal capacity that was filled during the preceding calendar year, the number of cubic yards of remaining disposal capacity, and a cross-section map showing the limits of current disposal areas (for the reporting year) together with the ultimate approved limits for all disposal activities. |  |                           |

# SOLID WASTE FACILITY PERMIT

Facility/Permit Number:

30-AB-0360

## 17. LEA Conditions:

(NOTE: LEA conditions listed here shall be in addition to conditions of other documents controlling operation of the facility.)

1. The operator shall comply with all State Minimum Standards of Solid Waste Handling and disposal as specified in Title 14 of the California Code of Regulations (CCR). The operator shall not operate this facility without possession of all required permits/regulatory approvals. The operator shall inspect the site at least once each day of operation to ensure compliance with all applicable standards/conditions/mitigation/permits/regulations.
2. Nothing in this permit is preventing the operator from complying with any other federal, state, and local requirements. Nothing in these requirements shall be construed as relieving any owner, or designee from the obligation of obtaining all required permits/licenses, or other clearances and complying with all orders, laws, regulations, or reports, or other requirements of other regulatory or enforcement agencies.
3. The operator shall notify the LEA in writing (with proposed amendments to the Report of Disposal Site Information (RSDI)), at least one hundred fifty (150) days in advance of proposed significant changes (as determined by the LEA), in the design/operation of the facility to allow for early consultation, completion of all required documents/due process review/filing and the completion of all related permitting processes. Such notification shall include changes (including new additions) of: processing/composting/baling/materials recovery facility (MRF)/transfer station and/or transformation facility, changes in permitted hours/days of operation, permitted tons/day per category, permitted traffic volumes/day per category, permitted total area, disposal footprint, maximum elevation, maximum depth of waste, and/or estimated closure year, which may be later proposed for this facility.
4. The LEA reserves the right to suspend and/or modify operations at this facility when deemed necessary due to any emergency, potential health hazards, and/or public nuisance.
5. Additional information concerning the design/operation of this facility shall be furnished upon request to the LEA and other regulatory personnel.
6. This SWFP is subject to review by the LEA and may be suspended, revoked or modified at any time for sufficient cause.
7. As outlined in Section 16, the operator shall maintain at the facility, or other approved location, accurate daily records of the tonnage/day number of vehicles/day. Such records shall be readily accessible at the facility to the LEA/other regulatory personnel.
8. As outlined in Section 16, the operator shall furnish a written summary of all written complaints (including all regulatory notices such as: Notices of Violation, Notice and Orders, Clean-up & Abatement Orders) concerning the facility received by the operator during a quarter, and the operator's responses/corrective actions taken, to the LEA in accordance with the reporting schedule.
9. As outlined in Section 16, the operator shall maintain at the facility, or other approved location, a log of special/unusual occurrences (S/U O). The log shall include, but not be limited to: fires, explosions, discharges of unusual waste, significant incidents of personal injury, accidents and/or property damage. Each log entry shall be accompanied by a summary of the responses/corrective actions taken by the operator to mitigate any negative impacts of each occurrence. Days without incidents of S/U O shall be noted with an appropriate negative entry for such days such as: "No S/U O today". The operator shall maintain this log at the facility or other approved location in a manner readily accessible to facility personnel and to the LEA/other regulatory personnel. A written summary of the log entries during a quarter shall be furnished to the LEA in accordance with the reporting schedule.
10. The operator shall maintain an LEA approved hazardous/PCB/prohibited waste screening/exclusion (load checking) program at the facility which will adequately protect public health and the environment from illegal on-site disposal of hazardous/PCB/prohibited wastes. On-site load checking shall occur at all times by personnel trained in such activities.
11. The operator shall comply with the requirements of all applicable laws pertaining to employee health and safety including maintaining an up-to-date written CAL-OSHA Injury Illness Prevention Program (IIPP) - (pursuant to Title 8 CCR), on-site and readily available for review by all facility personnel and by the LEA staff and other regulatory personnel. The IIPP shall include a comprehensive training plan, availability of all necessary on-site work/protection/safety equipment, and adequate on-site first aid supplies. Whenever personnel are at the facility they shall have immediate radio and/or telephone access to a 911 emergency dispatcher.
12. At all times, there shall be adequate portable litter-control fencing and litter picking personnel to preclude litter from blowing and accumulating off-site.

# SOLID WASTE FACILITY PERMIT

Facility/Permit Number:

30-AB-0360

## 17. LEA Conditions (continued):

13. At all times, the site perimeter shall be provided with adequate security gates and fencing in good repair (or equivalent effective barriers).
14. Waste and cover material shall be spread and compacted utilizing methods to maximize compaction and to decrease the attraction of animals, birds and vectors to the site. Personnel shall not secure the site each day until the operator's inspection confirms that at least six (6) inches of compacted cover has been deposited over all waste and sufficient to prevent such attraction. On-site litter shall not be allowed to accumulate, so as create such an attraction.
15. The operator shall take immediate and independent action to prevent and suppress fires on the project area. The facility shall be maintained with a clearance of flammable material for a minimum distance of one hundred fifty (150) feet from the periphery of any exposed flammable solid waste, or additional minimum flammable clearance provisions determined by the local fire protection agency (pursuant to PRC §4373).
16. The operator shall properly equip and maintain noise attenuation and spark arrestor devices (such as mufflers) on all combustion engines utilized at this facility. All equipment components shall be maintained in good mechanical condition and properly operated to prevent excessive noise levels and circumstances capable of starting accidental fires.
17. The operator shall provide final cover over all areas in accordance with the Preliminary Closure and Post Closure Maintenance Plan approved by the LEA and the CIWMB.
18. Site entry signs shall prominently display all required regulatory information.
19. Any proposal for the use of alternative daily cover material shall be reviewed and approved by the LEA and the CIWMB prior to implementation.
20. If and when any proposed plans for alternate daily cover are submitted to the LEA/CIWMB for demonstration, it will include appropriate consultation with the RWQCB to insure that any such use of alternative daily cover is consistent with the existing goals, objectives, outstanding Clean-up and Abatement Orders, and related issues.
21. The operator shall maintain an adequate vector monitoring/control program with updates as directed by the LEA.
22. The operator shall limit the tonnage placed at the facility to the amounts identified in the Settlement Agreement between the County of Orange and the City of Irvine signed on August 1, 1984. The annual average daily tonnage limits for the next five years are identified below. As for the maximum daily tonnage, the operator shall, in no event, receive more than 8500 tons per day unless a revision of this permit is first obtained by the operator.

| Year | Maximum Annual Average Daily Tonnage |
|------|--------------------------------------|
| 1996 | 6775                                 |
| 1997 | 6894                                 |
| 1998 | 7015                                 |
| 1999 | 7138                                 |
| 2000 | 7263                                 |

23. This permit supersedes the solid waste facility permit 30-AB-0360 issued 12/18/89.